

How Plants Work

Classroom activity pack

This pack contains a series of activities for you to complete with your class both before and after your visit to Kew.

You may choose to do all the activities or just select one. Post-visit activities are intended to build on the learning from the educational session at Kew. Many of the resources can be used on a whiteboard or can be printed.



Pre-visit teacher notes

KS5 How Plants Work

Thank you for booking the How Plants Work education session at Kew.
You can use the pre-visit activity to support your pupils' learning.

Ahead of your visit, your pupils could answer the question below.
They can tell us about their answers when they come to Kew.



Question:

Xerophytic plants have adapted to live in some of the driest places on Earth, yet all plants need water to survive. How do plants obtain water? Why do they need it?

You can encourage your pupils to discuss the following:

- Water as a biological molecule
- Root hair cell structure and function
- Xylem structure and function
- Guard cell structure and function
- The transpiration stream
- Light-dependent reaction in photosynthesis



Pre-visit pupil activity

KS5 How Plants Work



Xerophytic plants have adapted to live in some of the driest places on Earth, yet all plants need water to survive.

How do plants obtain water?

Why do they need it?



